

AMENDMENTS TO THE CLAIMS

1-8. (cancelled)

9. (Currently Amended) A dual inductor (1) comprising:[[-]]

a core assembly (10) formed from a central plate (11) and a set of three parallel spaced-apart legs, namely an inner leg (12) and outer legs (13) on opposed faces (14) of the central plate (11) forming first and second cores (15, 16); and

a first and second winding (5, 6 and 25, 26) on the inner leg (12) of each of the first and second cores (15, 16), in which at least one of the windings (25, 26) extends outside one of the outer legs (13) to provide additional inductance.

10. (Original) A dual inductor (1) as claimed in claim 9, in which the input and output of each set of windings (5, 6 and 25, 26) are in close proximity.

11. (Currently Amended) A dual inductor (1) as claimed in claim 9, comprising:[[-]]

a separate inductive element (30) in close proximity to the windings (25, 26); and

a capacitive element (47) connected to the inductive element (30), the output of the capacitive element (47) providing a ripple current cancelling signal.

12. (Original) A dual inductor (1) as claimed in claim 11, in which the inductive element (30) is a length of insulated copper wire (31) close to the first and second windings (25, 26).

13. (Previously Presented) A dual inductor (1) as claimed in claim 9, in which at least one of the windings (5, 6 and 25, 26) is formed from a metal stamping.

14. (Previously Presented) A dual inductor (1) as claimed in claim 13, in which the metal stamping (25, 26) is recessed to receive a PCB section forming an inductive element (30).

15. (Previously Presented) A dual inductor (1) as claimed in claim 9, in which each winding (5, 6 and 25, 26) is formed by a PCB section.

16. ((Previously presented) A dual inductor (1) as claimed in claim 15, in which an inductive element (30) is formed by the PCB section.

17. (Currently Amended) A power converter (40) comprising the dual inductor (1) as claimed in claim 9 ~~inclusive~~.

18. (Currently Amended) A PCB (2) comprising the dual inductor (1) as claimed in claim 9 ~~inclusive~~.

19. (Currently amended) A current doubler comprising the dual inductor (1) as claimed in claim 9 ~~inclusive~~.